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Kinds of Training at OLCF

- Workshops, Seminars Happen as need ~1 to 2 a month.
- Monthly User Call
 - 1 per month, last Wednesday of the month, 12:00 pm EDT
 - Take your feedback and questions about OLCF
 - Cover timely training about tools, HPC Methods or Hardware
- NVIDIA Hackathons -Several a year, need to apply
- Persistent DIY Tutorials: Git Repos, User Guides, Vimeo training Channel and Archives

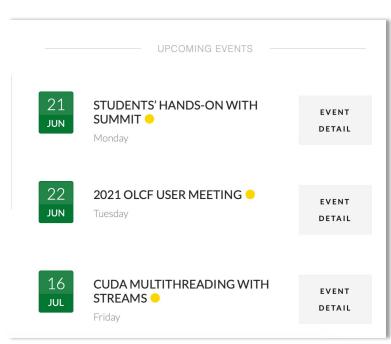


Where to find New OLCF Training

New Training

- https://www.olcf.ornl.gov Listed at the bottom of the page under "Upcoming events"
- The OLCF Training Calendar
 https://www.olcf.ornl.gov/for-users/training/training-calendar/
- The weekly message
 - Mail Chimp
 - Arrives on Wednesdays







OLCF Training Archive

Past Training can be found in the OLCF training archive:

https://docs.olcf.ornl.gov/training/ training_archive.html

- Slides
- Recordings are kept on the OLCF Vimeo Training Channel
 - https://vimeo.com/olcf
- Link to the event page
 - Often Contains exercises

OLCF Training Archive

The table below lists presentations given at previous OLCF training events. For a list of upcoming training events, please visit the OLCF Training Calendar [™]

Date	Title	Speaker	Event	Presentation
2021-05-21	GPU Concurrency	Robert Searles (NVIDIA)	May 2021 OLCF User Conference Call	(slides [♂] recording [♂])
2021-05-20	Spock System Architecture	Joe Glenski (HPE)	Spock Training [™]	(slides [♂] recording [♂])
2021-05-20	MI100 GPU	Nick Malaya (AMD)	Spock Training [™]	(slides [♂] recording [♂])
2021-05-20	Available Storage Areas & NVMe	Tom Papatheodore (OLCF)	Spock Training [™]	(slides [♂] recording [♂])
2021-05-20	State of HID	Nick Malaya	Spock Training	(slides [™]



OLCF User Guides

There are lots of example scripts and tutorials embedded in our User Guides. https://docs.olcf.ornl.gov/systems/index.html

Examples:

- New User Quick Start- its your guide to all our user guides with a few hands-on exercises to get your running on Summit.
 - https://docs.olcf.ornl.gov/quickstart/index.html
- Slate provides a container orchestration service for running user-managed persistent application services that do not fit into a batch job. Getting started tutorial and a few others.
 - https://docs.olcf.ornl.gov/services_and_applications/slate/guided_tutorial.html#guid ed-tutorial
- Job Step Viewer allows you to see graphical representation of your job layout. Tutorial: https://jobstepviewer.olcf.ornl.gov
- OLCF Tutorials
 https://github.com/olcf-tutorials



Mark your Calendars for OLCF Training

- NVIDIA CUDA Training Series: CUDA Multithreading with Streams, July 16, OLCF and NERSC
 - Register: https://www.olcf.ornl.gov/calendar/cuda-multithreading/
- User Call: HPC SDK User Call, July 21
 - See: https://www.olcf.ornl.gov/calendar/userconcall-jul2021/
- NVIDIA CUDA Training Series: CUDA MPS August 17
 - https://www.olcf.ornl.gov/calendar/cuda-multiprocess-service/
- Kokkos Workshop August 17 and 19th
 - Register: https://www.olcf.ornl.gov/calendar/kokkos-training/





Mark your Calendars for OLCF Training

- User Call: Blazing SQL, August 23
 - See: https://www.olcf.ornl.gov/calendar/userconcall-aug2021/
- Slate Workflow Training August 25, 26
 - (look for registration page soon)
- NVIDIA CUDA Training Series : CUDA GPU Debugging, September ,14
 - https://www.olcf.ornl.gov/calendar/cuda-debugging/
- Introduction to OpenMP Offloading, September 22,23
 - (look for registration page soon)





Hackathons

https://www.gpuhackathons.org

- Hackathon's pair your team with a set of mentors with GPU programming expertise
- You work on your code to profile it and accelerate it on the GPUs
- You need to apply with your team, Application deadline are ~ 1.5 months before the event.
- OLCF users are invited to apply to any event with the OLCF Logo
- OLCF Hackathon October 18,25-27, Application deadline August 18.

